



Photos Takeout User Guide & FAQ

Version 3.1 (16 March 2025)

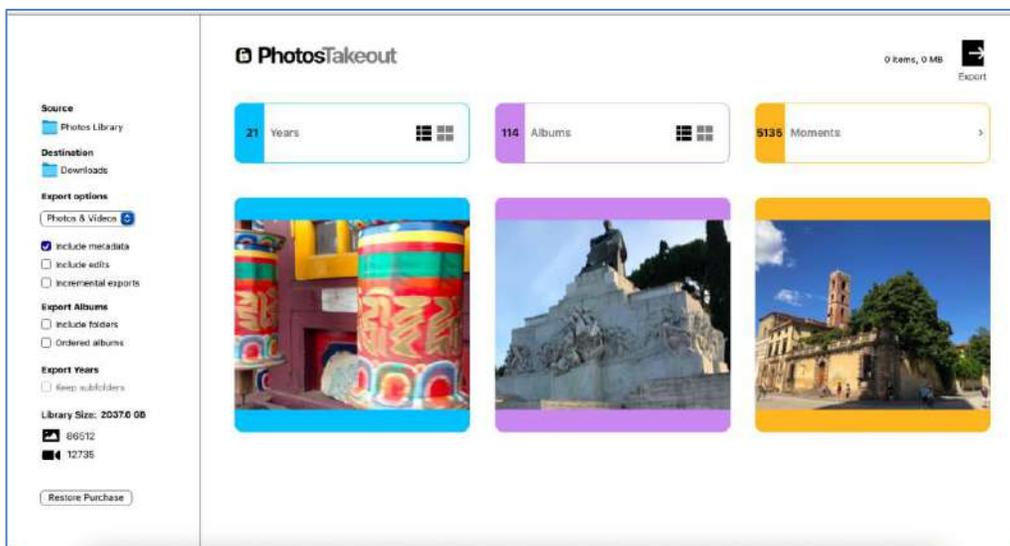
Photos Takeout exports photos and videos from Mac and iCloud Photos into folders. This concise guide explains its features and requirements.

Before starting your export, ensure that:

- ❖ Photos Takeout has access permissions¹ (In **System Settings**² > Security & Privacy > Privacy > Photos, the Photos Takeout box must be check marked).
- ❖ The Source library is your **System Photo Library**³ (Check in Photos **Settings**).
- ❖ Your iCloud account and the drive housing your Photos library are not full.
- ❖ The Destination drive has enough free space to save the photos you'll export.
- ❖ If Destination is an external drive, it is formatted as APFS / extended journaled⁴.

Home screen

On launching Photos Takeout, you'll see the app's Home screen:

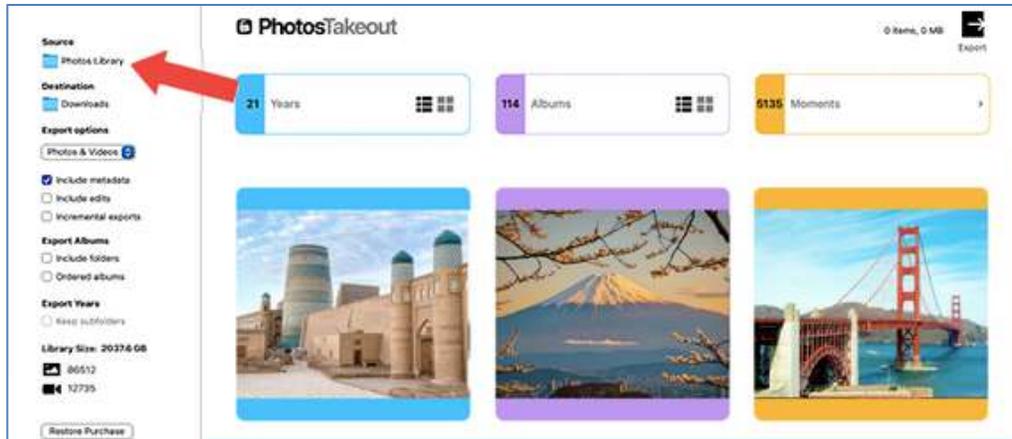


This view, with photo thumbnails, is **Icon View**. You can switch to **List View** via the buttons in Years or Albums tabs. We recommend using List View – it's 20% faster than Icon View.

In the left pane, specify the **source** Photos library, the **destination** and export preferences. In the right pane, select which Years, Albums or Days to export. Click **Export** to start exporting.

Left pane

Source: Photos Takeout will export photos from this library. If you have more than one Photos library, ensure that you choose the current system library as the source.



If the Source library is not the system library, none of the iCloud-based, edited and referenced items will get exported. To export from a library that's not currently the system library, first set it as the system library in Photos > Settings (or Preferences).



By default, the Photos Library is located in the Pictures folder. Select it, then click **Open**. See footnote⁵ if you have difficulty in selecting the library).



Depending on your library's size, it may take up to one minute to load. Please wait.

Destination: In the left pane, click below Destination and select where to save the exported folders, e.g. Mac, Dropbox, external drive etc. The destination drive must have enough free space to accommodate the selected items.

Export options: Use these filters to fine tune the selection of items to be exported.

- **Include metadata:** Check marking this will embed all EXIF/IPTC metadata as well as any titles, descriptions, keywords or locations that you have added. If you want to remove metadata for privacy or other reasons, uncheck this box.

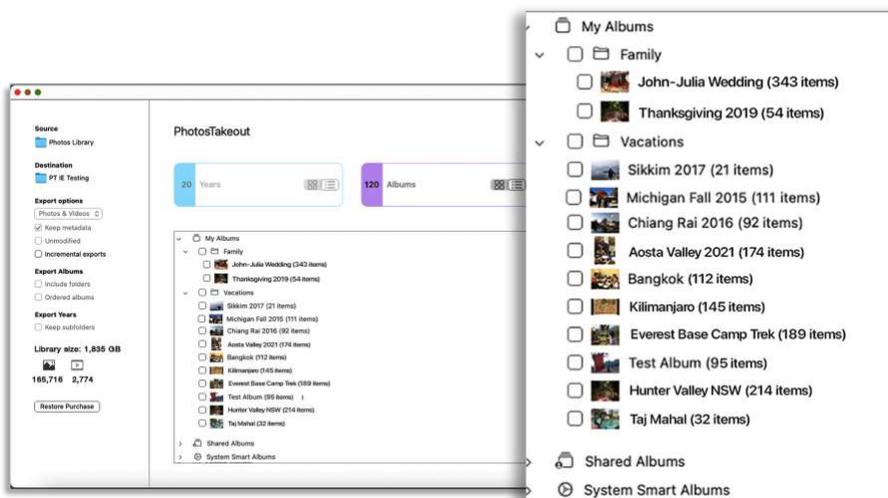
- **Include edits:** Check this box to export the latest versions of photos and videos with all your edits. To export the unmodified originals, uncheck it.
- **Include folders:** When exporting albums, if the selected albums are in folders, check marking this box exports the albums along with the folder-subfolder hierarchy.
- **Ordered albums:** If you have custom-arranged photos in an album, check mark this box to preserve the sequence. Items in the album will be renamed as album-name nnnn.filetype (Only in Catalina and later).
- **Keep subfolders:** When exporting Years, check this box to get monthly subfolders. They will be named 1 (for Jan), 2 (Feb) etc. For Moments, this option is greyed out.
- **Media selector:** To choose between Photos & Videos, Photos Only, Videos only.
- **Incremental Exports:** This option is available only in List View. If you have previously exported Years or Albums, this feature lets you update those folders by exporting only the photos or albums added or modified since the previous export. For details of this feature, click Help > Incremental Exports in the app.

Right pane

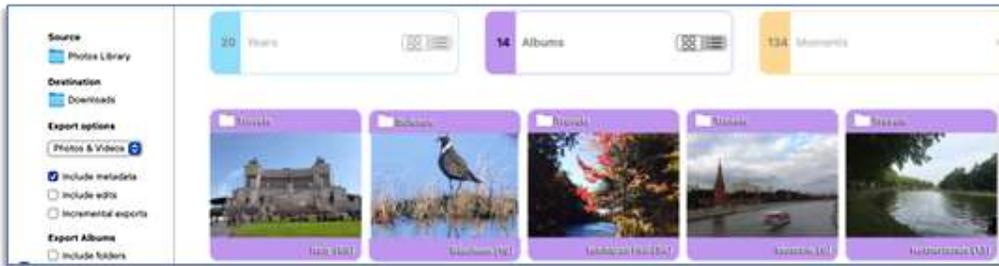


Click on the **Years**, **Albums** or **Moments** buttons to expand the view. Within the Years and Albums tabs, you'll also find the buttons to switch between **Icon** and **List** views.

List View allows you to make a more granular selection, e.g. you can select specific months to export within a year, or specific albums within a folder. If you plan to use Incremental Exports to keep the exported folders updated, you must use List View.⁶



Icon View shows the selected category's folders, item counts, and thumbnails. If you've organized albums in folders, the folder names will appear on top left of thumbnails.



To select multiple non-contiguous folders in Icon View, ⌘-click them.

Select Years, Albums or Dates to be exported, and click **Export**. A progress indicator will show % complete. If any photos fail to export, you'll get an alert. See FAQ for what to do.

Free Trial and Upgrading

- **Free version:** To check out how the app works. Exports only one photo per folder.
- **1 Month:** Inexpensive option for users wanting to export photos on a one-off basis, or to use Incremental Exports to bring previously exported folders up to date. It's a non- auto-renewing subscription, so don't worry that you may be charged again next month.
- **One Time:** Perpetual license, ideal for professional and long-term users.

Both paid options allow you to export **all sizes** of Photos libraries.

Photos Takeout allows Family Sharing. One license allows you to install the app on up to six macs that you own or control.

Contact Us for Support

See below (at the end of **FAQ and Troubleshooting** section).

FAQ and Troubleshooting

GENERAL

1. I have a multi-terabyte library. Can Photos Takeout handle it?

Yes, Photos Takeout is size-agnostic. Library size equals photos saved in the Mac Photos library plus those in iCloud and any referenced photos.

2. Are photos and videos exported in the original or reduced resolution?

Everything is exported in original resolution. For lossy formats e.g. JPG, the file size (MB) may differ but resolution (MP) stays the same.

3. Is metadata preserved when exporting, for both photos and videos?

Yes. Check 'Keep metadata' box to retain the EXIF and IPTC metadata, as well as Title, Description, Location and Keywords that you've added via the Photos app.

4. I have two Macs. Do I need to buy two licenses to use Photos Takeout on both?

You can use one license on up to 6 Macs. Log into the other Mac using the Apple ID with which you purchased the app, and the 'Get' button in the App Store will change to the Download (cloud with downward arrow), indicating that it's a free download.

USING THE APP

1. Where is my Photos Library located? I can't seem to find it.

Its default location is in User/Pictures folder, and it has the same icon as the Photos app. If you don't see the library there, or can't find the Pictures folder, click Finder > Go > Home > Pictures, drag it into the Favorites, then select it from there.

2. I found the Photos library but how to select it? The 'Open' button is greyed out.

Select the library (Red arrow in the screenshot below), not the folders within it (database, attachments etc.) Single-click to select the Photos Library, don't double-click on it.



3. How to export from a Photos library that's *not* the system library?

For Catalina or later, Photos Takeout exports photos stored in iCloud, edited photos and referenced items *only* if the system library is set as the source. To change the system library, open Photos > Preferences/Settings > General > Set the desired library as the system library, as explained [here](#). Close Photos app, then launch Photos Takeout.

For Mojave and older, you must first download photos stored in iCloud to the Mac Photos library, then export with Photos Takeout. Source doesn't have to be the system library.

4. There are two user accounts on my Mac. Can Photos Takeout run from both?

Yes, provided that Photos Takeout is installed in the shared Applications folder.

5. App shows zero items in Years, Albums and Moments. Nothing happens when I click the Years, Albums or Moments buttons. What to do?

Open Settings (System Preferences) > Security & Privacy > Privacy > Photos, and check mark Photos Takeout. After this, even if Source is already set, click it and reselect the source library. This grants Photos Takeout access to your library.

Another reason may be version mismatch, e.g. using a Catalina library on a Sequoia Mac, or a Sonoma library on a Mojave Mac, or an iPhoto library on any Mac.

6. How to select multiple albums or years for export?

To select all items, Press Command-A or click Edit > Select All. To select multiple non-contiguous items, hold down the Command key and click each item. To select a range of contiguous items, click the first item, then hold down the Shift key and click the last item.

7. Some items failed to export. Error message: "X files exported. Y not found."

Several possible reasons; the main ones are listed [here](#). Try to eliminate these. If the problem persists, contact us with the details.

8. How to download photos stored in iCloud to Photos app on my Mac?

You need to do this only in Mojave or older. In Catalina and later, Photos Takeout can automatically download and export photos from iCloud. To manually download photos from iCloud, go to Photos > Preferences > iCloud > select Download Originals to Mac. Once they are downloaded, use Photos Takeout to export.

9. I added Titles to photos, and in the Photos app I can see the original file names as well as Titles. But after exporting, I only see one name. Why?

Apple Photos stores original file names as well as Titles. Photos Takeout keeps Titles if present, otherwise the original names. Also, if multiple photos have the same name, they'll be sequentially numbered e.g. Vacation 1.jpg, Vacation 2.jpg etc.

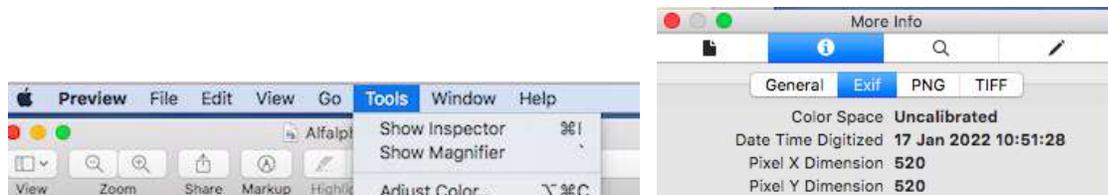
10. I exported photos to external HD but they're all zero kB and can't be opened. The error message says "File could not be opened because it is empty"

Check the destination drive's format (Right-click EHD icon on the desktop > Get Info). It should be APFS or Extended Journaled, not MSDOS (fat 32) or ex FAT.

To check whether EHD format or permissions are causing this problem, try exporting a single year or album to your Mac desktop and see if it exports correctly.

11. The original dates were not retained in the photos that I exported. In Finder when I right-click and select Get Info, they all show "Created" date as "Today".

The "Created" date shown by Finder isn't the EXIF date but the date when a photo was saved to its current location. Open the photo with Preview > click Tools > Show Inspector > EXIF, and you'll see the EXIF Date.



12. Why did formats of some HEIC files change to JPG upon exporting?

Photos Takeout exports *edited* HEIC items as JPG and *edited* MP4 files as MOV. This is consistent with how Photos does it. This doesn't happen for unmodified originals.

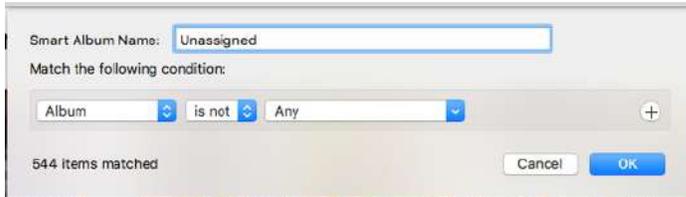
13. How to export Favorites, Shared Albums and smart albums?

Click on the Albums tab and scroll all the way down to see Favorites and Shared Albums. Select and export these just like other albums. Note that Shared Albums store photos and video in reduced quality (2448px along the longer edge for photos, 720p for videos), and strips most metadata. Items exported with Photos Takeout will inherit these diminutions.

To export a **smart album**, save it as a regular album under My Albums, then you'll be able to export it like other albums.

14. I want a complete backup. If I export all albums, that won't be complete because photos not assigned to any album will be left out. What to do?

In Photos app, click File > New Smart Album, and use the following settings to create a smart album of all unassigned photos. Then convert it to a regular album and export:



15. How to avoid files being renamed as albumname-NNN when I export an album?

Uncheck the *Export Albums > Ordered Albums* box ('Ordered Albums' option is for users who've custom-arranged photos in albums, and want to retain this ordering on export.)

16. How does Photos Takeout handle export of raw images?

Raw photos may have been imported into Photos as raw-only or raw-jpeg pairs. For both cases, Photos Takeout exports according to the following rule:

- **Unmodified check-marked:** Only the unedited original RAW file will be exported.
- **Unmodified unchecked:** Only the latest edited JPG version will be exported.

17. My library on external drive is too big for Mac or iCloud. If I set it as my system library for using with Photos Takeout, won't it start uploading to iCloud?

No need to upload the photos to iCloud – or even to Mac. Use the following workflow:

- Temporarily disconnect the Mac from iCloud. [See how](#).
- Connect EHD to Mac. In Photos Preferences, make the EHD library the system library.
- Launch Photos Takeout and export whatever you want
- Reverse Step 2 (Disconnect EHD; revert to normal Photos and iCloud settings).

18. I have *Optimize Mac Storage* checked in Photos Settings. If I export all photos, will everything be downloaded to Mac? What if the Mac runs out of disk space?

In Catalina and later, Photos Takeout fetches items directly from iCloud. iCloud manages disk space dynamically, so if your Mac runs out of space, iCloud will download fewer files. After Photos Takeout exports these, iCloud will re-optimize and use the space thus freed up to download more files. This will be slower than if the Mac has ample disk space.

In Mojave and older, you must first download photos saved in iCloud and then export. If your Mac is short on space, move the library to an external drive ([See how](#)), set it as the System Photo Library, wait for it to sync with iCloud, then export. This will download items from iCloud to the library on the external drive instead of Mac.

19. I started the export several hours ago. The progress indicator is stuck at X% and the app seems to be hanging.

Please check that your destination drive has enough free space to accommodate all the items you have selected. Also check that your iCloud account and the drive on which your Photos library is stored aren't full – a 10-15% headroom is needed for processing. Lastly, check your internet connection.

Even a multi-terabyte library shouldn't take more than 2-3 to export. If it's been longer, or the progress indicator is stuck, abort the export and retry with a few albums or years to eliminate the possibility that one corrupted item is holding up the entire export.

20. In my Photos Settings, “Copy items to the Photos library” is unchecked, i.e. photos are stored as referenced files. These failed to export.

In Big Sur and later, you need to give Photos Takeout full disk access. Quit Photos Takeout. Open System Preferences > Security & Privacy > Privacy > in Left pane, select Full Disk Access > In Right pane, click (+) and add Photos Takeout to the list and check mark it > Reboot the Mac. Now the referenced files will be exported.

21. Why is face recognition information not exported as part of metadata?

Face data is not part of EXIF or IPTC metadata. A workaround for preserving this info: Add names of people in the photos as keywords (Go to **People** view in Photos > click on a face > photos are displayed > Select all > right click, Get Info > add the person's name in keywords. To export all photos of a person, go to People tab, select all photos featuring that person, and put them in an album. You can then export this album.

22. If I re-export albums or years, will I get duplicate files and folders or updated assets including those added since last export?

Depends on whether the **Incremental Exports** box is checked on not:

If it is checked AND you've subscribed to this service, only the assets added or modified since the last export are exported. Please see the Incremental Exports guide for details.

If not exporting incrementally, selecting the same location (path) will add duplicate files in the previously exported folders; e.g. file XYZ will be duplicated as XYZ0. If you edited this file since the last export, XYZ0 will reflect the edits. If you export to a different path, all the folders will be created afresh and the latest set of photos saved in them.

23. My Live Photos were exported as JPG/HEIF. What about the video?

Click on the Live Photos selector in the Export Options panel, and select the dropdown option JPG + MOV. The videos will be saved in a separate folder.

24. Why did the keywords not export?

Check whether you check marked 'Keep Metadata' and unchecked 'Unmodified'. Another possibility is that you input them as Finder Tags, and not as Keywords. Finder tags are not treated as EXIF or IPTC metadata, and therefore not supported by our app.

OTHER

1. Does Photos Takeout work with iPhoto or Aperture libraries?

No, Photos Takeout is only meant for Photos app. Not iPhoto or Aperture.

2. I have an old Photos library (probably Mojave or Big Sur) on an external drive, and Photos Takeout on a newer Mac. How to export from this library on the new Mac?

First update the Photos library. Make a copy of the library, connect the external drive to the new Mac, and open the library with the **Photos** app. You'll be asked whether to update it; say yes. Once it is updated, quit Photos and use Photos Takeout to export.

3. My question isn't answered here. How to get Customer Support?

Click **Help > Contact Us** in the app's top menu bar. Include a detailed description of the issue and, if possible, a screenshot of the issue. Also mention:

- MacOS version, Photos Takeout version
- Photos library's size (GB), items count, and location (whether on Mac or EHD?)
- Location of photos: Locally (in Mac Photos), iCloud (Optimized or not), or referenced
- Export destination (Mac, external drive, NAS, cloud storage etc.)

If you use **Facebook**, a valuable resource is our [Facebook page](#), where we post news of feature updates, tips and tricks, bug alerts and temporary workarounds for these, etc. Follow us.

[Contact Customer Support: Click here](#)

KNOWN ISSUES

1. Some features aren't available in Mojave and older. For example, photos and videos saved in iCloud must be downloaded to the local library before export; keywords are not exported; new features like List View and Incremental Exports aren't available.
2. Metadata added to **videos** via the Photos app is not retained upon export (Note that this also happens on exporting with Photos app – Date & Time original are retained only when you exported unedited originals, not in edited videos).
3. When exporting the folder-subfolder-albums hierarchy (with 'Keep folders' check marked), the albums and folders must have distinct names. If an album has the same name as its parent folder, photos will be saved in the parent folder.

Follow Photos Takeout on [Facebook](#) for the latest news on features, tips & tricks etc.

Our other apps:



[Pic Scanner Gold](#)
(iOS)

Created in 2013, Pic Scanner was the world's first mobile app for scanning and auto-cropping multiple photos at a time. It offers unlimited scanning and great features for a one-time price. No subscription or in-app purchases. One million users!



[PhotoSort](#)
(macOS)

Apple Photos only lets you sort your library by file name and date, but PhotoSort sorts it by file size and aesthetic quality. It does this in the Photos app itself – so e.g. if your iCloud or Mac storage are full, you can easily identify and either offload or delete some of your largest files to free up space. Try it free!



[SnipTag](#)
(macOS)

If scanning photos, don't start without these powerful tools:
1) **Snip**: Scan multiple photos per scan with a scanner or digital camera. Batch-crop them *all* with just one click.
2) **Tag**: Edit date, description, location and other metadata.



[Joggle](#)
(iOS and Android)

A completely original, mildly cerebral word game inspired by crossword puzzles. Thousands of one-minute word puzzles to entertain and exercise your brain. Our first game app! Try it now, it's free and fun!

Footnotes

¹ Permissions need to be checked only if you are using macOS Big Sur or later. If Photos Takeout is listed in the right pane as shown below, check mark it to grant Full Access to the Photos Library:

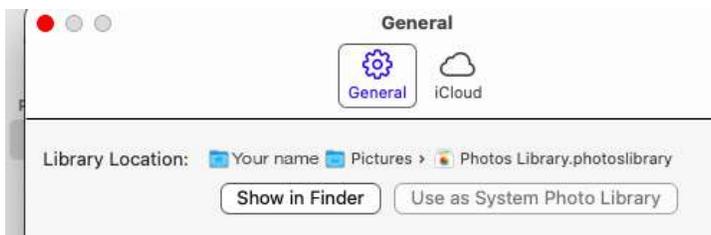


² **System Settings** (macOS Ventura and later) was called System Preferences in older versions of macOS:



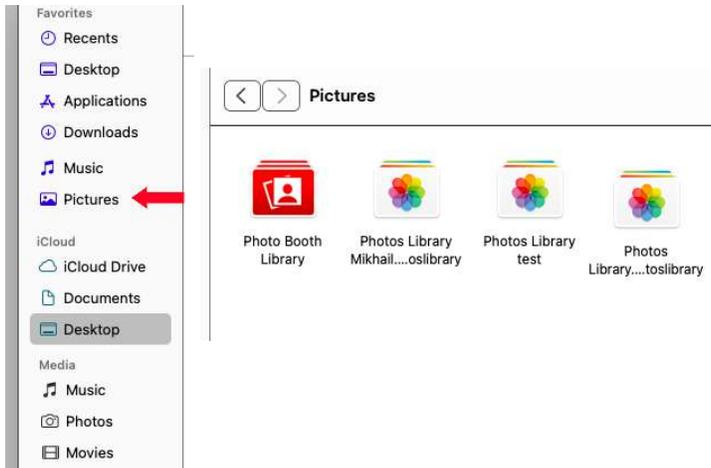
³ If you have only one Photos library, then it is the System Photo Library and you don't need to worry about this requirement. If you have multiple Photos libraries, only one of them can be the System Photo Library. Only this one syncs with iCloud and other devices and can support Shared Albums – so if you want to export iCloud-based photos or shared albums, the Source must be the System Photo Library. Also, if you use a non-System Photo Library as the source, the photos containing edits may not export correctly.

If you have more than one library and need to export from one that's not System Photo Library, go to Photos > Settings > General (See below), click to the right of Library Location, navigate to the library and set it as the System Photo Library. This will turn off iCloud, and you may get an alert that any photos that are only in iCloud will be removed from your (iCloud-synced) library. Let it happen. Then set this new System Photo Library as the Source in Photos Takeout and do your export. After it's done, again open Settings and change the System Photo Library back to the original Library. It'll sync with iCloud and photos that were removed will be restored.



⁴ We recommend APFS / Extended Journaled formats throughout this document because they work best with Apple hardware. Don't use FAT32, especially if you have videos, as it has a 4GB file size limit. EXFAT doesn't have the 4GB limit and *may* work. If you must use an EXFAT drive, format it with the Mac's Disk Utility and not on a Windows PC. Don't use NTFS – both MacOS and Windows can read it but MacOS can't write to it. If exporting to an EXFAT drive or NAS, do a small test export to see if files are saved correctly.

⁵ To select the Source Library, navigate to its location on your Mac or external drive. On the Mac, its default location is in the **Pictures** folder (Marked by red arrow below, NOT Media > Photos further down), and its icon is the same as that of the Photos app. Single-click to select it, then click Open. Don't double-click the Library icon – doing so will display the folders within it, which you don't want.



⁶ When you launch Photos Takeout, it opens in Icon View, but you can switch to List View using the little icons in the Years or Albums tabs. List View allows more granular selection of months within years, and reduces the scrolling and searching effort if you have a large number of albums and folders:

